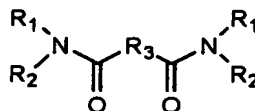


ABSTRACT

There is provided a novel extractant for palladium capable of improving an extraction speed in comparison with a case of utilizing a DHS being a conventional extractant, and a method for separation and recovery of palladium utilizing the same. The present invention provides a method for obtaining a palladium-containing aqueous solution by bringing an organic phase containing an extractant of a sulfur-containing diamide compound represented by the following structural formula (1):

(1)



in which R_1 and R_2 each represent a group selected from a chain hydrocarbon group having 1 to 18 carbon atoms which may be branched, an alicyclic hydrocarbon group having 1 to 10 carbon atoms, and an aromatic hydrocarbon group having 1 to 14 carbon atom, and R_3 represents a group represented by $\{(CH_2)_nS(CH_2)_m\}_L$ in which n , m and L each represent an integer of from 1 to 4; extracting palladium by the organic phase; and conducting a back-extraction of palladium, extracted by the organic phase, with an aqueous solution of hydrochloric acid containing thiourea.